

20031114.qrp v03_n104.qrl.20031114

Date: Fri, 14 Nov 2003 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3104

QRP-L Digest 3104

Topics covered in this issue include:

- 1) [161193] Re: The 44/88 Foot Dipole expanded for 160 Meters?
by "George, W5YR" <w5yr@att.net>
- 2) [161194] re:The 44/88 Foot Dipole expanded for 160 Meters?
by Michael Babineau <michael.babineau@sympatico.ca>
- 3) [161195] virus alerts
by "n3drk" <n3drk@triad.rr.com>
- 4) [161196] [CONTEST] Fall NJQRP Homebrewer Sprint Results
by "Ken Newman" <n2cq@dandy.net>
- 5) [161197] Attic antenna feedlines
by Peter Burbank <peterlee@qx.net>
- 6) [161198] Re: The 44/88 Foot Dipole expanded for 160 Meters?
by Bob Nielsen <nielsen@oz.net>
- 7) [161199] 160 meter antenna
by Karl Larsen <k5di@zianet.com>
- 8) [161200] what is a fox hunt
by "n3drk" <n3drk@triad.rr.com>
- 9) [161201] Re: virus alerts
by "Mike Yetsko" <myetsko@insydesw.com>
- 10) [161202] Re: what is a fox hunt
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 11) [161203] RE: 160 meter antenna
by "Paul Womble" <pwomble@earthlink.net>
- 12) [161204] Thanks for the Altoids info
by "Paul Womble" <pwomble@earthlink.net>
- 13) [161205] Re: Attic antenna feedlines
by "Mike Gusky" <mgusky@bellsouth.net>
- 14) [161206] Re: KX1 Queations
by "Rich Johnson" <rjohnson390@comcast.net>
- 15) [161207] Re: DSW-2 Power out
by "Brian Murrey" <brian@iquest.net>
- 16) [161208] Re: Attic antenna feedlines
by "John H. Shannon" <johnshan@alltel.net>
- 17) [161209] Re: Attic antenna feedlines
by "Brian Murrey" <brian@iquest.net>
- 18) [161210] Re: 1000 miles per watt award
by "Max Moon" <maxmoon@umn.edu>
- 19) [161211] RE. Attic feedlines

- by Peter Burbank <peterlee@qx.net>
- 20) [161212] Re: Attic antenna feedlines
by Dale Botkin <dale@botkin.org>
- 21) [161213] 1000 Mile per watt award
by "John H. Shannon" <johnshan@alltel.net>
- 22) [161214] FOX: KROU Revised Log
by Tim Groat <tcgroat@earthlink.net>
- 23) [161215] Results of NOV. " RUN FOR THE BACON" sprint
by "Jerry Ford" <benlightnd13@mchsi.com>
- 24) [161216] RE: Hamradio IP numbers
by "John Stevens" <jwsteven@concentric.net>
- 25) [161217] Re: KX1 Queations
by Alex <kr1st@amsat.org>
- 26) [161218] PayPal Notification
by "Pat Whelton" <pwhelton@earthlink.net>
- 27) [161219] RE: Attic antenna feedlines
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 28) [161220] Re: PayPal Notification
by Dale Botkin <dale@botkin.org>
- 29) [161221] Course study in Space WX
by "w8diz" <w8diz@cinci.rr.com>
- 30) [161222] 1000 Mile per watt award - Addendum
by "John H. Shannon" <johnshan@alltel.net>
- 31) [161223] Re: PayPal Notification
by David Ek <ekdave@earthlink.net>
- 32) [161224] Re: PayPal Notification
by "Tony Martin W4FOA" <w4foa@comcast.net>
- 33) [161225] O'scope info
by "Rod N0RC" <rc7039-hr@yahoo.com>
- 34) [161226] Re: PayPal Notification
by "n3drk" <n3drk@triad.rr.com>
- 35) [161227] Re: PayPal Notification
by Tom Severt <n2uhc@yahoo.com>
- 36) [161228] Re: PayPal Notification
by "John J. McDonough" <wb8rcr@arrl.net>
- 37) [161229] swr,watt meter for qrp
by "n3drk" <n3drk@triad.rr.com>
- 38) [161230] RE: PayPal Notification
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 39) [161231] re; NOV QST
by "Dean-K2WW" <nr2v@northnet.org>
- 40) [161232] Re: [fpqrp] Course study in Space WX
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 41) [161233] Re: PayPal Notification
by "Joe Martin" <km5cw@wt.net>
- 42) [161234] Re: PayPal Notification
by "John J. McDonough" <wb8rcr@arrl.net>
- 43) [161235] Re: re; NOV QST

by Alex <kr1st@amsat.org>
44) [161236] Re: swr,watt meter for qrp
by David Toepfer <davetoepfer@yahoo.com>
45) [161237] Re: PayPal Notification
by "John H. Shannon" <johnshan@alltel.net>
46) [161238] Re: PayPal Notification
by "Mike Yetsko" <myetsko@insydesw.com>
47) [161239] Philips LPC2104 ARM MCU
by "Leon Heller" <leon_heller@hotmail.com>
48) [161240] Re: Just a thought on set decorating.
by "brian russell" <brian-nsl@freenet.co.uk>
49) [161241] WTB
by Michael Goins <mgoins@usa.net>
50) [161242] Re: swr,watt meter for qrp
by "w8diz" <w8diz@cinci.rr.com>
51) [161243] On the wild porker hunt again
by "Jerry Ford" <benlightnd13@mchsi.com>
52) [161244] Toaster Oven
by Steven Weber <kd1jv@moose.ncia.net>
53) [161245] RE: Philips LPC2104 ARM MCU
by "David Hinerman" <WD8CIV@worldnet.att.net>
54) [161246] Ft. Wayne - Last reminder
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
55) [161247] Re: On the wild porker hunt again
by "Joe Martin" <km5cw@wt.net>
56) [161248] Great Alaska Ptarmigan Hunt - This Sunday
by Jim Larsen <JimLarsen2002@alaska.net>
57) [161249] OHR 500 IF Filter
by "Jerry Bartachek" <KD0CA@praisescrbe.com>
58) [161250] W8JK files (eznec analysis) now on my yahoo group website es
my amp too.
by "Earl Andrews" <ve3ab@mail.mondenet.com>
59) [161251] Re: OHR 500 IF Filter
by Chris Cartwright <ccart@phideaux.com>
60) [161252] Re: OHR 500 IF Filter
by Ed Lawson <k1vp@grizzly.com>
61) [161253] Re: swr,watt meter for qrp
by Lee Mairs <lmairs@direcway.com>
62) [161254] Searchable QRP-L archives was Re: O'scope info
by George Fremin III <geoiii@kkn.net>
63) [161255] how to add 160 mtrs to G5RV or 88 ft balanced antenna(or
dipole)
by "Earl Andrews" <ve3ab@mail.mondenet.com>

Date: Thu, 13 Nov 2003 18:50:43 -0600
From: "George, W5YR" <w5yr@att.net>

To: "Mike Duke, K5XU" <k5xu@jam.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [161193] Re: The 44/88 Foot Dipole expanded for 160 Meters?
Message-ID: <028301c3aa49\$55dbd270\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike, the basic dimension for an Extended Double Zepp is 1.25 wavelengths for the band involved. So, the 88 ft length is for 20 meters, the 176 ft for 40 meters, 352 ft for 80 meters and 704 ft for 160 meters.

On the band for which the antenna is designed, the free-space gain over a dipole is about 3 dB. The 88 ft length is convenient since it loads well from 80 through 10 meters. The 176 ft length is an EDZ on 40 meters but will load on 160 meters.

On the bands above the design band, the pattern changes from the dipole-like broadside pattern to a multi-lobed pattern. But each major lobe produces more field strength than would the major lobe of a 1/2-wave dipole cut for that band.

Center feeding is usually preferred for the EDZ although I suppose it could be end fed. I use two EDZs cut for 20 meters and fed with ladderline. They work very well on 80 - 10 meters.

Let me know if I might could add anything . . .

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"Starting the 58th year and it just keeps getting better!"
w5yr@att.net

----- Original Message -----

From: "Mike Duke, K5XU" <k5xu@jam.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 13, 2003 5:43 PM
Subject: The 44/88 Foot Dipole expanded for 160 Meters?

> Has anyone found the magic length for employing the concept of the 44 and 88

> foot dipole to a length which will work for 160 meters?
>
> My limited antenna logic tells me that the length would be somewhere
around
> 176 feet. I know this length works well as an end-fed inverted L.
>
> But, if it is center fed, on which higher bands will it give a dipole
> pattern?
>
> Mike Duke, K5XU
> American Council of Blind Radio Amateurs
>

Date: Thu, 13 Nov 2003 19:59:41 -0500
From: Michael Babineau <michael.babineau@sympatico.ca>
To: qrp-1@Lehigh.EDU
Subject: [161194] re:The 44/88 Foot Dipole expanded for 160 Meters?
Message-ID: <D4041067-163D-11D8-A767-00039309268A@sympatico.ca>
Mime-Version: 1.0 (Apple Message framework v552)
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit

One option is to use the 88ft flattop and, assuming that you are
feeding it with
parallel transmission line, tie both sides of the feeder together and
work it
against a counterpoise wire.

Michael VE3WMB

Date: Thu, 13 Nov 2003 20:16:06 -0500
From: "n3drk" <n3drk@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [161195] virus alerts
Message-ID: <02c101c3aa4c\$e2e8cd50\$6400a8c0@n3drk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I dont know if anyone else is getting them but for 3 weeks not one disguised
virus from microsoft upgrade email. The past 4 days I have received 87 of

these. They are the w32.swen.a@mm
Anyone having similar results?
john

Date: Thu, 13 Nov 2003 20:36:55 -0500
From: "Ken Newman" <n2cq@dandy.net>
To: "List QRP-Canada" <qrp-canada@neale.gpfn.sk.ca>,
"K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [161196] [CONTEST] Fall NJQRP Homebrewer Sprint Results
Message-ID: <00d601c3aa4f\$cd5628e0\$38eb80d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,
Here is the results for the 2003 Fall NJQRP Homebrewer Sprint.
Awards and prizes will come later.
I hope all enjoyed the sprint!

72 de Ken N2CQ@ARRL.NET

2003 Fall NJQRP Homebrewer Sprint Results

Call	Mode	QSOs	Points	X SPCs	X PWR	= Score
N9NE	CW	97	388	54	7	146,664
K5ZTY	CW	79	316	55	7	121,660
W5TA	CW	63	200	41	7	57,400
W0UFO	CW	56	224	35	7	54,880
W0NTA	CW	51	204	33	7	47,124
VE3XT	CW	44	172	27	7	32,508
W2JLK	CW	35	140	23	10	32,200
W5KDJ	CW	25	100	21	15	31,500
K3ESE	CW	36	144	26	7	26,208
N0TK	CW	31	124	23	7	19,964
K8DDB	CW	31	124	22	7	19,096
KW4JS	CW	34	132	20	7	18,480
K4UK	CW	32	128	20	7	17,920
K0FRP/4	CW	33	132	18	7	16,632
W2JEK	CW	22	88	20	7	12,320
WA1ZCB	CW	22	88	18	7	11,088
W3DP	CW	22	88	15	7	9,240

K1KID	CW	20	80	16	7	8,960
W1PID	CW	22	88	14	7	8,624
KE2WB	CW	13	52	10	7	3,640
N2CX	CW	9	36	8	7	2,016
AE4EC	CW	7	28	6	7	1,176
K2EKM	CW	3	12	3	10	360
N8VW	CW	3	12	3	7	252
WB7AEI	CW	3	12	3	7	252

Checklogs:

WQ2RP	CW	34	136	24	7	22,848
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(NJQRP Club Station, N2CQ Opr)

-----OPERATOR COMMENTS-----

N9NE:

Rig: K2 #1429 @ 5W. Antennas: Triband beam and 88 ft. doublet at 60 feet.

Thanks to the NJQRP Club for making the fun possible! Eighty meters was productive here in WI: wish that more ops had been able to get on that band.

de Todd, Oshkosh, WI

K5ZTY:

Elecraft K2, Force 12 C4S.

My first QRP contest in a while and it went strictly according to Murphy's Law. Didn't do the last hour. Seemed to be good participation and some pretty good conditions for a change. Had fun while things were working here though. Thanks to Ken and the rest of the NJ bunch for putting this one on again.

de Bill, Houston, TX

W5TA:

20 meters: NORCAL "Red Hot" transceiver (kit, X4), 5 Watts.

Antenna: 5/8 wave ground mounted vertical.

40 meters: Kenwood TS-430S (commercial, X2)

Power: 5 watts monitored with Welz SWR/Power meter

Antenna: 1/4 wave ground mounted vertical

Did better than last year's fall sprint, but not as good as spring sprint. Was a lot of fun anyway.

Very 72, de Dick, Round Rock, TX

W0UFO:

Elecraft K-1 5W. 20m dipole, 40m zepp fed 160' wire.

Conditions were good and enjoyed working so many of the regular qrp ops.

de Mert, Cabin in Pine County, MN

W0NTA:

Operated a K2 at 5 watts output to a temporary short G5RV antenna up 20 feet in my backyard. I have antenna restrictions here so I put up this antenna for the contest. It worked very well on 20 meters but not so hot on 40. Many very strong signals here tonight on both bands. Another fun sprint.

Thanks to the New Jersey club for organizing it.

de Dick, Greeley, CO

VE3XT:

Elecraft K1 to homebrew all band vertical with 8 AA NiMH battery pack. Good conditions and good operators made for a good score.

de Bill, Thunder Bay, ONT

W2JLK:

Small Wonder modified 1W. 40m Dipole up 15m.

Hamming since '59 - Homebrewing entire time!

de Jim, Matawan, NJ

W5KDJ:

Good contest as long as you operated 20. 40 next to impossible, nil sigs on 80. Met lot of the regulars and few new folks. Good contest and looking forward to the next one. K1-4 Yagi on 20, LW on 40.

de Wayne, Spring, TX

K3ESE:

Setup was a K1 at 5W into a longwire. I missed the first half hour, while reading "The Long Winter" to my little girls. I also missed the last half hour, as I was falling asleep, and there were no ops out there left unworked, it seemed. But while I was there, it was a load of fun! Thanks to NJQRP once again!

73, 72 es oo, Lloyd, Reisterstown, Maryland

N0TK:

K-1 #545 on 20 & 40 m attic dipoles.

de Dan, Highlands Ranch, CO

K8DDB:

Sierra 5W, G5RV @ 37 feet and LDG Electronics Z11 Auto Tuner, N3FJP's contest software and Dell Latitude laptop computer.

Band conditions weren't too good. 20 meters dried up early, 40 and 80 meters were noisy, but so what, I had a good time!

Thanks to the sponsors and all of the QRP gang!!

de Mike, Vulcan, MI

KW4JS:

Elecraft K2, 5W.
de John, KINGSTON, TN

K4UK:

Elecraft K2.

Was able to get in for just a little time due to other
Commitments.

de Stan, Moneta, VA

K0FRP/4:

K1 40M ONLY VERTICAL DIPOLE IN THE PINE TREES

de Al, Aiken, SC

W2JEK:

OHR-100A 20m, OHR40 40m & TenTec 1380 80m.

Thanks for a nice contest!

de Don, River Edge, NJ

WA1ZCB:

Elecraft K-1 4W. 300' wire loop in 50' tree.

My first QRP contest was not what I expected. I had a lot of
contacts(22) and 18 new states to add to my W.A.S. award, and
all on 40 meters. Had a great time in the sprint. Look for
me in the next HB sprint.

de Ed, Fall River, MA

W3DP:

Elecraft K-1 5W #238, G5RV up 25'

de Dick, Camp Hill, PA

-----9

K1KID:

Elecraft K2 @ 5 W, Antenna = Carolina Windom @ 35 ft.

What a blast. 20 Meters closed down shortly after the start
of the Sprint. 40 was up and down all evening but was in
there long enough to make contacts. 80 meters was in terrible
shape but managed to snag N9NE, the only station heard there.
Conditions were not the best but the experience under poor
conditions is invaluable. Love the Sprints, They are long enough
so that you can polish your skills without the marathon effort
required for a contest weekend! I hope every one had as much fun
as I did. See you all in the next Sprint!

72 de Carl, MA

W1PID:

Rigs DSW 40 and DSW 20

Antenna Windom OCF dipole

Many thanks for a fun event,

best, Jim, NH

KE2WB:
de John, Atlanta, GA

N2CX:
Sierra 5w.
de Joe, Bellmawr, NJ

AE4EC:
Elecrafft K2,560 ft horizontal loop, gell cell power
Lots of local noise here making it difficult at time to
pull stations out of noise. Too bad I had to get up early
next morning for work or could have stayed on the air longer.
Sometimes wish test would start earlier in evening.
de Ed - Carrboro, NC

K2EKM:
HOMEBREW XCR (ROCKMITE), 250MW-1W
de Bill, Springfield, VA

N8VW:
Elecrafft K2 5W.
de Pat, OH

WB7AEI:
Station: Homebrew superhet rcvr (BP fltr, NE602, xtal fltr, NE602, NE5532
audio filter & amp), Homebrew TX 1 watt VFO exciter with 5W IRF511 MOSFET
amp, homebrew SWR meter and tuner, homebrew keyer (K1EL with skin resistance
paddle), 40M full wave stealth loop with 2 sides at 6 feet and high point 17
feet.

At least conditions were better than for QRP Afield (?). Signals here were
at the "hold your breath while you copy" level. Anyone who worked several
hours of this deserves a special award for perseverance under awful
conditions! The guys above have real good ears!

Thanks for the fun, 72's

Phil WB7AEI, Kent, WA

WQ2RP:
Thanks to all for your interest and activity in the sprint.
RIGs: Elecrafft K1 4w, 8 AA batteries, Portable zepp.
Good band conditions in general. It was great to QSO the
"Ususual Suspects" and several with milliwatt power.
Look for the Spring QHB Sprint on Mar 22, 2004, 0000z.
CU THERE!
72 de Ken N2CQ Opr - Woodbury, NJ

Ken Newman
Woodbury, NJ
N2CQ@ARRL.NET

Date: Thu, 13 Nov 2003 20:39:16 -0500
From: Peter Burbank <peterlee@qx.net>
To: qrp-l@lehigh.edu
Subject: [161197] Attic antenna feedlines
Message-ID: <5.2.0.9.0.20031113203551.00a1ca70@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am looking for ideas about how some folks run feedlines up to the attic.
TIA and 73
Pete NV4V

Date: Thu, 13 Nov 2003 17:47:03 -0800
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [161198] Re: The 44/88 Foot Dipole expanded for 160 Meters?
Message-ID: <20031114014702.GB31944@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Thu, Nov 13, 2003 at 05:43:04PM -0600, Mike Duke, K5XU wrote:
> Has anyone found the magic length for employing the concept of the 44 and 88
> foot dipole to a length which will work for 160 meters?
>
> My limited antenna logic tells me that the length would be somewhere around
> 176 feet. I know this length works well as an end-fed inverted L.
>
> But, if it is center fed, on which higher bands will it give a dipole
> pattern?

Mike,

That concept is described in W4RNL's paper "Suppose I could only have
one wire antenna...." <<http://www.cebik.com/aledz.html>>, which

describes using the 44 foot dipole between 40 and 10 meters. At this length, there will be a slight loss of gain on 40 compared to a half-wave (67 ft) antenna, but the dipole pattern holds up as high as 10 meters.

Likewise the 88 foot dipole gives similar results between 80 and 20 meters. A 167 foot dipole should work similarly over the 160 to 40 meter range. Deviation from a dipole pattern (main peak at 90 degrees to the wire) starts when the dipole length is greater than approximately 1.25 wavelength.

I had a thought that a 122 ft wire should perform well up to 30 meters and might be usable on 160, but the feed point impedance and pattern gain would be lower than with a 167 ft. wire.

Because the feed point impedance varies quite a bit over the usable frequency range of the antenna, these should be fed with open wire or ladder-line and ideally they should be at least a half-wavelength above ground at the lowest frequency (not easy on 160, but if I had some really tall trees....)

73,
Bob N7XY

Date: Thu, 13 Nov 2003 18:59:47 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [161199] 160 meter antenna
Message-ID: <Pine.LNX.4.44.0311131852220.4684-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The only antenna to use on 160 meters is a 1/4 wave vertical. This can be a 130 foot tower provided it's made of aluminum to cut down I squared R loss. The ground plane needs to be about a mile of number 8 copper wire. Bury the copper wire so you don't trip on it.

With your MFJ antenna analyser you will find the feed point impedance is about 36 +j0 most anyplace in the band.

With this antenna you will work the world.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 13 Nov 2003 21:07:39 -0500
From: "n3drk" <n3drk@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [161200] what is a fox hunt
Message-ID: <02df01c3aa54\$1646a850\$6400a8c0@n3drk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have no idea what this is. How is it run? Someone explain for me please.
Thanks
john

Date: Thu, 13 Nov 2003 21:09:41 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n3drk@triad.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [161201] Re: virus alerts
Message-ID: <005f01c3aa54\$62d050e0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I dont know if anyone else is getting them but for 3 weeks not one
disguised
> virus from microsoft upgrade email. The past 4 days I have received 87
of
> these. They are the w32.swen.a@mm
> Anyone having similar results?
> john

Not surprising.

People get lax, and the bomb goes off. Then people pay attention.
For a while. Then they get lax. And someone gets infected. And
it spreads for a while, and we all get bombarded.

Then people will pay attention, and it will die down for a while.

What's the big deal? Other than that we should be hanging the people that write this stuff.

Date: Thu, 13 Nov 2003 21:33:11 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: <n3drk@triad.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [161202] Re: what is a fox hunt
Message-ID: <002b01c3aa57\$a64cbef0\$47b4590c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

John,

It's all explained here:

http://www.cqc.org/fox/winter_fox_03-04/rules.htm

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759
ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

Date: Thu, 13 Nov 2003 21:34:34 -0500
From: "Paul Womble" <pwomble@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [161203] RE: 160 meter antenna
Message-ID: <006f01c3aa57\$d7a1fce0\$6401a8c0@house>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

I used a center fed antenna on 160 with a lot of success.

It was 125' on each side fed with 450 ohm ladder line. It was up about 40' at the center up in a big oak tree in the yard. One end had to be curved around trees to keep it on our lot. That end was in somewhat of a sideways L shape. The ladder line went directly into the shack to a MFJ tuner.

With 100 watts I worked anything I could hear. Europe, Africa, North American & South America were no problem. I worked a few VK's/ZL's but it took more work. I did hear a few Asian stations at my sunrise but never was able to work them.

That antenna also kicked butt on 20m and 40m.

No scientific data to back it up...just the logbook. Proof enough for me.

73

Paul K4FB

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]

> On Behalf Of Karl Larsen

> Sent: Thursday, November 13, 2003 9:00 PM

> To: Low Power Amateur Radio Discussion

> Subject: 160 meter antenna

>

>

>

> The only antenna to use on 160 meters is a 1/4 wave vertical.

Date: Thu, 13 Nov 2003 21:36:07 -0500

From: "Paul Womble" <pwomble@earthlink.net>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>

Cc: <fpqrp-l@fpqrp.com>

Subject: [161204] Thanks for the Altoids info

Message-ID: <007001c3aa58\$0eadeff0\$6401a8c0@house>

MIME-Version: 1.0

Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

I had a lot of people reply to my request for Altoids tin info.

Several offered to send tins and I have some on the way. I want to thank everyone that replied.

73

Paul K4FB

Date: Thu, 13 Nov 2003 20:58:36 -0600
From: "Mike Gusky" <mgusky@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [161205] Re: Attic antenna feedlines
Message-ID: <008a01c3aa5b\$3366b220\$c602a8c0@D8819N31>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I use a short piece (20 feet) of RG8x from the shack to a 4-to-1 balun in the attic, where my 80 foot dipole is connected to the balun with 300 ohm Radio Shack twin lead. Seems to work well for an indoor antenna. Using a TenTec Argonaut 516 with a Z-11 tuner.

73

Mike

K5UX

----- Original Message -----

From: "Peter Burbank" <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 13, 2003 7:39 PM
Subject: Attic antenna feedlines

> I am looking for ideas about how some folks run feedlines up to the attic.
> TIA and 73
> Pete NV4V
>
>
>

Date: Thu, 13 Nov 2003 19:05:11 -0800
From: "Rich Johnson" <rjohnson390@comcast.net>
To: <n6kr@elecraft.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [161206] Re: KX1 Queations
Message-ID: <001201c3aa5c\$1e2aa410\$f877d30c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wayne:

These are great answers and just what I wanted. That is the insight into design trade off decisions. Thank you very much and do you mind if I contact you directly if I have more of these design questions/

Again, thank you for the insight.

cheers,

rich

----- Original Message -----

From: "Wayne Burdick" <n6kr@elecraft.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, November 13, 2003 11:33 AM
Subject: Re: KX1 Queations

> Hi Rich,

>

> Great questions! Here are the answers:

>

> > 1) Why the use of 2N4124 NPN transistors instead of 2N3904s?

>

> The issue is Q7. I tested the 2N4124 against many other NPN transistors many

> years ago when I first used an NPN clamp as a T-R element in a series-tuned L-C

> circuit. The 2N4124 has the advantage of very low capacitance when biased off--something in the 1 to 2 pF range--so it won't cause any loss of circuit Q

> in receive mode. When biased on (TX), the transistor limits positive signal

> excursions due because of the saturation voltage (Vce), and negative excursions

> via Vbe breakdown (about -4 to -5V). This method has been tested extensively in

> several of my previous designs, including the NorCal 40A and Sierra.

>
> We used a 2N3904 at Q5 (driver) since it out-forms a 2N4124 at the this level of
> Vce current. The other NPN transistors used could be of either type.
>
>
> > 2) What is the advantage of using J309 over the ever popular J310?
>
> The J309 has a much lower pinch-off voltage (typically -1 to -3 V), making it
> more suitable at low voltages. I've also used J310s in this mute circuit, but in
> the case of the KX1 I wanted the muting to continue to work even if the supply
> voltage on the product detector dropped into the 5 volt range. A J310 is only
> guaranteed to fully cut off with Vgs of 6 V, though in practice they're usually
> closer to 3 or 4 V.
>
>
> > 3) Why not use a double tuned filter in the front of the first mixer
> > instead of a single tuned circuit?
>
> It is a double-tuned filter. The first tuned circuit is in series, formed by CA
> and L6, with additional capacitance placed in parallel with CA on 30 and 40
> meters. The second tuned circuit is formed by L7 and its nearby capacitors. A
> series/parallel double-tuned circuit can perform just as well as a more
> conventional top-coupled dual-parallel type, but has the advantage of providing
> a place to attenuate the signal on transmit, in this case via Q7, the 2N4124 I
> mentioned above.
>
>
> > 4) Why does the K1 drives it's control relays directly from the PIC but the
> > KX1 goes from the PIC thru a TC4427?
>
> To reliably drive a latching relay directly from a PIC, you need to have one end
> of the relay terminated in a very low impedance--much lower than one of the
> PIC's outputs can provide. In the case of the K1 and K2, we achieve this by

> using many relays in parallel, each connected to an "RY_COM" (common) line. To
 > turn one of them on or off, all of the PIC drive outputs for the others are
 > thrown in the opposite direction. The relays then appear to be a small resistor
 > connected to a supply rail, providing the low Z needed. The PIC can then turn on
 > or off the selected relay without difficulty.
 >
 > In the case of the KX1, there are only two relays--not enough to provide a
 > paralleled-coil low-resistance path. The TC4427 is a dual driver with much lower
 > output Z than a PIC output, so it buffers the PICs relay on/off drive lines.
 >
 > But that's not the only reason for the TC4427. Since the two relays are in
 > parallel (always switched on/off together), I was able to use one of the 4427's
 > two outputs as a "6T" (6 volts on TX) line. This is what turns the driver and
 > pre-driver stages on and off during transmit, and the very low output Z of the
 > 4427 can directly drive a large electrolytic capacitor (C35) to provide CW
 > envelope shaping. R26 and C35 set the time constant of this waveform.
 Further,
 > the 4427 can drive just as hard to both the supply and ground rails, so the
 > waveform is highly symmetrical. This pre-driver/driver state has the advantage
 > of working very well at low voltages, unlike an LT1252 video driver (which I
 > used in the SST and K1 designs), which requires 8 volts to provide adequate
 > output drive, and which may produce a less-symmetrical keying waveform if its
 > supply voltage is keyed.
 >
 >
 > > 5) What is the advantage of muting both sides of the audio to the LM386?
 >
 > This is not quite the right question. The question is, why use balanced feed
 > from the product detector to the AF amp? The reason is that this reduces
 > common-mode noise pickup and suppresses some keying artifacts, *and* gives you
 > an increase in overall audio gain since both the NE602 and LM386 can be

operated differentially.

>

> Once you're committed to a balanced audio path, you need to mute the signal in

> both legs.

>

>

> > 6) Is there a graph of rms audio output voltage to agc voltage to gain of

> > the NE602?

>

> Not that I'm aware of. As far as I know I was the first to apply AGC to an NE602/612 (in the SST, then in the K1 and now the KX1). Dave Fifield borrowed

> the idea for his NC20 design. In general, the gain of Gilbert-cell multiplier can

> be reduced in this fashion as long as a degradation of IMD is tolerable.

> Applying the smallest possible amount of bias reduction is a good strategy, and

> it's important to maintain DC balance by using an RF choke (or transformer) at

> pins 1 and 2. There's some protection from harmonic distortion due to the

> preceding crystal filter, and in my tests, I noticed very little distortion in

> the audio channel even in the presence of near cut-off bias.

>

> In the case of the NE602, an AGC range of something like 70 or 80 dB is possible, depending on individual device balance and the input frequency.

In the

> K1 we applied "delayed" AGC to the RX mixer as well, resulting in a huge AGC

> range. You could do that in the KX1, too, by adding a resistor and an RF choke,

> but that's probably overkill since the KX1 has an analog RF GAIN control for the

> rare times when you might encounter such large signals.

>

>

> > 7) Why use LEDs for the display when a LCD display would consume less

> > power?

>

> We pondered this question, and the answer was a little surprising.

>

> First, this is an incredibly efficient LED display. It has a very narrow optical

> bandwidth, and is specifically designed for very-low-current applications.

> Thanks to multiplexing, the average per-segment current required in moderate

> lighting is only about 100 microamps! This means that a typical *total*
current
> requirement for the display--12 segments lit--is only a little over 1 mA.
Even
> at the brightest setting (LED=6), which is readable in outdoor daylight
> conditions, the entire display draws a little over 10 mA average. But in
> practice, settings of LED=0 to 3 are used, resulting in 1 to 3 mA of
current.
>
> It turns out that a lot of backpacking and other field use of these little
rigs
> occurs indoors, inside tents, in the late afternoon, or in the evening, so
these
> settings are used more often than not.
>
> The other advantages of the LED are that it's rugged, small, and can be
driven
> directly from a 28-pin PIC with no added driver. If we had used an LCD,
we
> would have had to use either a 40-pin PIC or a dedicated driver IC. We
would
> also have had to include a backlight, which would have required as much or
more
> current than the LED display.
>
> Finally, to make sure that the LED current would not be an issue even in
bright
> sunlight, we added two more features to the KX1: a display-off timer (5 to
60
> seconds, or infinite), and 100% audio Morse feedback. You can use the KX1
> completely without the display, including the menus, all switch functions,
and
> two VFO frequency modes.
>
> Any other questions? :)
>
> 73,
> Wayne
> N6KR
>
> --
>
> <http://www.elecrafter.com>
>

Date: Thu, 13 Nov 2003 22:17:09 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <leehopp@msn.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [161207] Re: DSW-2 Power out
Message-ID: <010b01c3aa5d\$cb06b240\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am getting about 3.4w with mine as measured on the NoGa/Flying Pigs
Wattmeter I built at FDIM 2002...but my power supply is only feeding
about 12.8 volts.

What are you using for a power source?

I get about 3w with a 12v SLA battery

----- Original Message -----

From: "Lee Hopper" <leehopp@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, November 13, 2003 1:42 PM
Subject: DSW-2 Power out

> Hi, guys -
>
> My recently built DSW-2 works fine, but only gets about 3W out by my
WM-2
> qrp wattmeter.
>
> Dave says you should get "about 4W" out.
>
> Do you think 3W output is reasonable?
>
> 73 -
>
> Lee Hopper, NB7F
>
>

Date: Thu, 13 Nov 2003 22:14:54 -0500
From: "John H. Shannon" <johnshan@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [161208] Re: Attic antenna feedlines
Message-ID: <000701c3aa5d\$7fd43540\$37b766a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The feedline system for my attic antennas are described fully on my website.
Go to my Homebrewing Section - Antennas page. Hope that helps those of you
interested in the topic. At least it should give you some ideas to play
with.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
of operation and includes the following:

DX QSL Routes \*\* Operating Tips  
QRP Rigs Info \*\* CW Contest Calendar  
Daily Propagation Info \*\* Your CW Stories  
Teens and CW \*\* Monthly polls  
Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002  
~~~~~

----- Original Message -----
From: "Peter Burbank" <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, November 13, 2003 8:39 PM
Subject: Attic antenna feedlines

> I am looking for ideas about how some folks run feedlines up to the attic.
> TIA and 73
> Pete NV4V
>
>

Date: Thu, 13 Nov 2003 22:22:15 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <peterlee@qx.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [161209] Re: Attic antenna feedlines
Message-ID: <013d01c3aa5e\$81492c90\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a 1/2 wave 40m dipole in my attic, it is center fed with RG8X coax. I punched a hole (a very SMALL hole) in the ceiling above my operating position and just dropped the cable down to my desk. Attached a BNC and connected it to my K1 and I am off to the races.

I COULD put one of those fancy cable faceplates up but why?

73 de KB9BVN

----- Original Message -----

From: "Peter Burbank" <peterlee@qx.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, November 13, 2003 8:39 PM
Subject: Attic antenna feedlines

> I am looking for ideas about how some folks run feedlines up to the attic.

> TIA and 73

> Pete NV4V

>

>

>

>

Date: Thu, 13 Nov 2003 22:19:41 -0600
From: "Max Moon" <maxmoon@umn.edu>
To: "QRP-L List" <qrp-l@Lehigh.edu>
Subject: [161210] Re: 1000 miles per watt award

Message-ID: <002f01c3aa66\$8750a020\$9739fea9@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rob,

I assume you've already gotten your question answered but just in case, it's straight arithmetic: miles/power in watts must equal or exceed 1,000. The Flying Pigs site has a link <http://fpqrp.com/distance.html> to the "How Far Is It?" calculator at a SE Asian airline website--which is down at this particular moment.

I did a google & all the links I checked actually were just linked to <http://www.indo.com/distance/> except for things like mapquest.com which calculate driving distance (almost certainly a "N/A" in your case ;-)

When I got the award through QRP-ARCI, with everything else I had to submit the longitude/latitude of both hams. I don't know if they actually used that to check my distance figure (from indo.com).

Congrats on the award!

72s,

--Max, k0max

Date: Thu, 13 Nov 2003 23:20:42 -0500
From: Peter Burbank <peterlee@qx.net>
To: qrp-1@lehigh.edu
Subject: [161211] RE. Attic feedlines
Message-ID: <5.2.0.9.0.20031113231621.00a24ea0@mail.qx.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Thanks for all the great ideas gang. I enjoyed them all and will settle on one soon.

Vy 73 to all

Pete NV4V

Date: Thu, 13 Nov 2003 22:30:08 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: Peter Burbank <peterlee@qx.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [161212] Re: Attic antenna feedlines
Message-ID: <Pine.LNX.4.33.0311132224370.32269-1000000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 13 Nov 2003, Peter Burbank wrote:

> I am looking for ideas about how some folks run feedlines up to the
> attic.

I went out and bought a 5/8" flex drill used for cable runs. It's a 5' flexible shaft with the bit on the end. I have sort of a tunnel that runs from the basement to the attic, through which the HVAC duct and the stack for the water heater and furnace pass. There's enough space in there to run my feed line without contacting the sheet metal.

Had to cut a hole in an upstairs closet to punch through the floor, so I cut a hole with a stud in the center. Drilled the floor hole, then found an oak drawer front at Lowe's, stained it, and used a flat-head brass screw and brass cup washer through the center to attach it to the stud. Now there's a nice looking panel over the hole so even the XYL can't complain, and I can get in there if I need to.

I used Radio Shack 300 Ohm TV twinlead. Gave it a dozen twists so that if it was close to metal on one side, maybe the twists would keep things more or less balanced. I'm sure it's not perfect, but it does work. Hope this helps.

72,
Dale - NOXAS

--
It's a thankless job, but I've got a lot of Karma to burn off.
PicoKeyer Analog with pot speed control now available! Or add
memory and more to your Rock-Mite -- <http://www.hamgadgets.com>

Date: Fri, 14 Nov 2003 00:01:24 -0500
From: "John H. Shannon" <johnshan@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [161213] 1000 Mile per watt award
Message-ID: <004901c3aa6c\$5b0d6420\$37b766a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently added a link to a distance and bearing calculator on my website. Go to my Links section - Miscellaneous page and look for Distance and Bearing Calculator.

Find the Lat. and Lon. of the station you worked. You can get the station's Lat. and Lon. from Buckmaster, QRZ, or many other callsign servers (again see my site for the Find a QSL Route page in my DX or QSLing sections). Enter your Lat. and Lon. as site 1 and the other station's Lat. and Lon. as site 2 in the format shown in the example and press the 'calculate distance' button. The answer will appear in a little pop up message. You can also calculate the bearing further down the page if you wish. The site also explains a bit of the math behind the formulas if you're interested.

This site gives the distance in kilometers so you'll have to multiply that answer by 0.6214 to get the answer in miles.

Hope that helps.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
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Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002

~~~~~

Date: Thu, 13 Nov 2003 22:10:07 -0700
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [161214] FOX: KR0U Revised Log
Message-ID: <5.1.1.6.2.20031113220237.00a157f0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

My updated log follows. If you have any late changes, speak up now!

Thanks to everybody for persevering through the horrid A-Index. This has been a rough early fox season. Hopefully things will improve as the sun turns another side towards us.

72,

--Tim (KR0U)

KR0U Fox Log 12-Nov-2003

UTC CALL RCVD QTH NAME PWR

0208 W0NTA 559 CO DICK 5W

0209 K3PH 559 PA BOB 5W

0210 W5TB 559 TX DOC 5W

0211 KK5LD 559 TX DAN 5W

0213 K8KFJ 579 WV GARY 5W

0214 N1TP 559 FL TOM 5W

0216 W5YR 559 TX GEORGE 5W

0217 N4DD 559 TN DENNIS 5W

0218 K6VNX 559 CA ARLEN 5W

0219 K5DW 559 TX DON 5W

0219 N5ZE 559 TX LEW 5W

0220 N4ROA 559 VA DAN 5W

0221 N3BJ 559 VA ALAN 5W

0223 N4IM 559 TX COLE 5W

0225 K4GT 559 GA JIM 5W

0225 K5BGB 579 TX ROD 5W

0227 K5PSH 559 TX JERRY 5W

0228 K0EVZ 589 NM DOC 5W

0228 K5ZTY 559 TX BILL 5W

0230 K5EOA 559 LA WAYNE 5W

0231 N5IB 559 LA JIM 5W

0231 N5YFC 559 LA WAYNE 5W

0233 KD5UDB 559 LA CHRIS 5W

0234 K5DI 339 NM KARL 5W

0236 N1FN 559 CO ET 5W

0238 KG6WP 559 CA WARD 5W

0240 W5KDJ 559 TX WAYNE 400MW

0241 AF4LQ 559 KY MIKE 5W

0242 AG4PJ 559 AL DAVE 5W

0245	AC7A 339	AZ	TOM	5W	
0247	KB9YIG	559	IN	TONY	2W
0250	KG0PP	559	CO	JIM	5W
0252	AJ4AY	559	AL	JAY	5W
0254	WA7LNW	579	UT	JACK	5W
0255	AB9CA	559	AL	DAVE	5W
0257	W7ILW	559	AZ	WALT	5W
0305	W2XN 559	FL	FRED	5W	
0306	N9AW 339	WI	JERRY	5W	
0309	NK9G 559	WI	RICK	5W	
0310	WA9TZE	559	WI	JIM	5W
0311	NV4V 559	KY	PETE	5W	
0312	K4CMC	559	FL	BRUCE	5W
0314	W9XU 559	WI	LON	5W	
0319	AA50 579	LA	VERN	5W	
0327	K6XR	579	CA	REGGIE	5W
0328	W4NJK	559	CA	CHARLIE	5W
0330	KG7TS	559	NV	BOB	5W
0333	N0IT 559	MO	DAVE	5W	
0335	AA7EQ	559	AZ	BOB	5W
0339	KI0RB	559	CO	VINCE	5W
0342	AK7Y 559	AZ	GREG	5W	
0344	N0EA 449	MO	WAYNE	5W	
0349	N0JRN	339	MO	JERRY	5W
0352	W9XT 559	WI	GARY	5W	
0353	W5JAY	559	AR	JAY	5W
0356	W8DIZ	339	OH	DIZ	5W
0400	K0UU FOX	MN	JEFF	5W	
0400	KR0U FOX	CO	TC	5W	

Date: Thu, 13 Nov 2003 23:06:52 -0600
 From: "Jerry Ford" <benlightnd13@mchsi.com>
 To: "qrp-l" <qrp-l@lehigh.edu>, "Pigs" <multipigplus@yahoogroups.com>,
 "FSQRP" <4sqrp@mailman.qth.net>, "FPigs" <fpqrp-l@mpna.com>,
 Subject: [161215] Results of NOV. " RUN FOR THE BACON" sprint
 Message-ID: <02d901c3aa6d\$1e8b2ae0\$4a78da0c@mchsi.com>

Just a note to say thanks to everyone who participated in the Nov.
 RUN FOR THE BACON sprint sponsored by the Flying Pig QRP Club

International.

After much consideration, we have decided to make this a monthly event to be held on the 3rd Sunday evening of each month starting in Jan. Keep in mind our goal isn't to compete with other clubs or activities but to give everyone another opportunity to have some fun.

Here are the results of Nov.

The big winner this month was Paul AA4XX
Congratulations Paul !!

reporting:

Paul	AA4XX	960	points
Carter	N3AO	867	
Bill	K1EV	686	
Jerry	N0JRN	430	
Bill	K4BX	420	
Bill	N7MFB	341	
Curt	WB8YYY	279	
Garie	K8KFJ	260	
Tim	K9NX	252	
Mike	WB8BXN	224	
Jim	K8MIA	216	
John	KW4JS	207	
Howard	W7ILW	108	
Armin	VE3TEQ	80	
Lloyd	K3ESE	65	
Diz	W8DIZ	40	
Dan	KC5GXL	27	
Jim	KG4LDY	14	
George	N2JNZ	12	

and Dean KH6B 0 darn the bands anyway !!

It was great fun and again I appreciate each and every one that joined in with us to make it a good time.

Hope to see all of you for next months sprint. It will be held on the second Sunday evening in Dec. so you can still come out a play without interfering with the holidays.

72 / 73 and a big ole OINK OINK

Jerry N0JRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

<http://home.mchsi.com/~n0jrn>

Date: Thu, 13 Nov 2003 22:55:20 -0700
From: "John Stevens" <jwstevens@concentric.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [161216] RE: Hamradio IP numbers
Message-ID: <000901c3aa73\$e3d73a40\$0201a8c0@k5js.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob writes:

<<< That only gives the TLD information. This file lists all the 44.0.0.0
entries: <<ftp://ftp.ucsd.edu/ampr.org>>.

I couldn't connect to that server just now, but >>>

The URL is slightly different these days and is now as follows:

<<ftp://ftp.ucsd.edu/hamradio/ampr.org>>

73 john k5js

Date: Fri, 14 Nov 2003 07:30:08 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [161217] Re: KX1 Queations
Message-ID: <3FB4CAD0.F74900DA@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Let's try this with Yaecomwood. ;)

73,
--Alex KR1ST

<http://www.kr1st.com>

Wayne Burdick wrote:

>
> Hi Rich,
>
> Great questions! Here are the answers:

Date: Fri, 14 Nov 2003 07:54:08 -0600
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [161218] PayPal Notification
Message-ID: <002901c3aab6\$c6ab7100\$8901a8c0@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This morning I received one of those "Your PayPal Account is About to Expire" messages and I consider it suspect. My wife tells me there is a site you can forward these messages to for verification. Does anyone have the email address?

Thanks,

Pat - KZ5J

Date: Fri, 14 Nov 2003 09:10:15 -0500
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [161219] RE: Attic antenna feedlines
Message-ID: <000001c3aab9\$0671aa50\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

> I am looking for ideas about how some folks run feedlines up to the attic.
> TIA and 73
> Pete NV4V

Pete,

When I had an attic I ran coax up the laundry chute.

Dave

Date: Fri, 14 Nov 2003 08:42:25 -0600 (CST)
From: Dale Botkin <dale@botkin.org>
To: Pat Whelton <pwhelton@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [161220] Re: PayPal Notification
Message-ID: <Pine.LNX.4.33.0311140837240.618-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Nov 2003, Pat Whelton wrote:

> This morning I received one of those "Your PayPal Account is About to
> Expire" messages and I consider it suspect. My wife tells me there is a
> site you can forward these messages to for verification. Does anyone have
> the email address?

This is OT, but probably of interest to several people.

Why on earth would a PayPal account "expire"? If the email is asking for ANY information, or has a link in it, I'd ignore it. You can type the URL in yourself to get to PayPal's site and check/verify any information there.

Here's a link to their fraud prevention suggestions:
<<http://www.paypal.com/cgi-bin/webscr?cmd=p/gen/fraud-prevention-outside>>

ObQRP: Where are people getting the BNC connectors I see used in many Altoids tin projects? All the ones I find have a pretty deep projection behind the panel, in other words they take up a lot of space in the tin. I have seen some that look like they only take up a quarter inch or so. Got a part number for those? Has Mouser got 'em?

72,
Dale - N0XAS
--

It's a thankless job, but I've got a lot of Karma to burn off.
PicoKeyer Analog with pot speed control now available! Or add memory and more to your Rock-Mite -- <http://www.hamgadgets.com>

Date: Fri, 14 Nov 2003 09:46:15 -0500
From: "w8diz" <w8diz@cinci.rr.com>
To: <fpqrp-1@fpqrp.com>, <qrp-1@Lehigh.EDU>
Subject: [161221] Course study in Space WX
Message-ID: <002c01c3aabe\$112ce950\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Found this link about Space WX interesting and thought
I'd pass it along. Everything you ever wanted to know
about Space weather and more. Not cheap!

<http://www.spacew.com/www/course.html>

Watch out Paul...I'm after your job LOL

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:67 FT Vertical Dipole <http://kitsandparts.com>

Date: Fri, 14 Nov 2003 09:48:52 -0500
From: "John H. Shannon" <johnshan@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [161222] 1000 Mile per watt award - Addendum
Message-ID: <001001c3aabe\$78df15a0\$467466a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to W5USJ, I've added a second distance calculator to my links. This
one does both kilometers and miles, as well as a MPW calculation, although I
don't think it does bearings as the first one does. Again see my Links
section - Miscellaneous page, look for Distance Calculator.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
of operation and includes the following:

DX QSL Routes \*\* Operating Tips  
QRP Rigs Info \*\* CW Contest Calendar  
Daily Propagation Info \*\* Your CW Stories  
Teens and CW \*\* Monthly polls  
Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002

~~~~~

Date: Fri, 14 Nov 2003 07:51:54 -0700 (GMT-07:00)
From: David Ek <ekdave@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [161223] Re: PayPal Notification
Message-ID: <17561418.1068821514855.JavaMail.root@skeeter.psp.pas.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pat,

spoof@paypal.com. I also get them for ebay (spoof@ebay.com) and other sites (like for credit cards that I don't have) I've even gotten messages that purport to be from Earthlink (Earthlink provides a place on its web site where you can enter the URL for the link to report it as fraudulent). NEVER, NEVER, NEVER assume that one of these is legit--no matter how legit it looks. Personally, I like to go to the link that these messages provide (if it's still active) and leave them a little message in one of the form fields... (futile, I know, but it makes me feel good!)

73 de Dave NK0E

Pat wrote:

This morning I received one of those "Your PayPal Account is About to Expire" messages and I consider it suspect. My wife tells me there is a site you can forward these messages to for verification. Does anyone have

the email address?

Thanks,

Pat - KZ5J

Date: Fri, 14 Nov 2003 08:59:30 -0600
From: "Tony Martin W4FOA" <w4foa@comcast.net>
To: <pwhelton@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [161224] Re: PayPal Notification
Message-ID: <006701c3aabf\$e847a230\$6401a8c0@Delldude>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pat,
I got 3 or 4 of them yesterday...never have gotten them before. I suspected something fishy, so I just deleted the messages.
Tony

----- Original Message -----
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 14, 2003 7:54 AM
Subject: PayPal Notification

> This morning I received one of those "Your PayPal Account is About to
> Expire" messages and I consider it suspect. My wife tells me there is a
> site you can forward these messages to for verification. Does anyone have
> the email address?

>
> Thanks,
>
> Pat - KZ5J
>

Date: Fri, 14 Nov 2003 07:59:33 -0700
From: "Rod N0RC" <rc7039-hr@yahoo.com>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [161225] O'scope info
Message-ID: <018501c3aabf\$ece2fc40\$6501a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I assembled a summary of scope info resulting from my recent O'scope post, where to buy, what to get, and some other useful reference info. Hope this is useful to you....

And a big THANK YOU to all who contributed to this QRP-L information collective.

73, Rod N0RC

Scopes

Tek

453, 454, 465, 7600(see below**)

HP

HP-1740A

Another interesting possibility a ProTek scope card, see
<http://www.gigatest.net/hungchang/protek-2100.htm> I don't know much about this option but I intend to learn more about it.

Suppliers

Scopes & Stuff

eBay, www.ebay.com

* * *

..."Take a look at [www.web-tronics](http://www.web-tronics.com)", Dave K2ZU

* * *

Garey - K40AH write" "I would HIGHLY recommend Bob Garcia here in Marietta Georgia. Bob is "local" for me, and is totally reliable and competent. A much better source than E-Bay for a good, working scope."

Bob Garcia
845 Fairfield Drive
Marietta, GA 30068-2619
Tel: 1-770-977-5701

* * *

Floyd, NQ7X offers: "...A-COMM Electronics, 11891 E.33rd Ave. Unit C Aurora, CO ---- (303) 341-2283 web-
<http://WWW.A-COMM.COM>.....\$200 on 11/29/02....does the job here. Also bought the service manual \$48 and operating manual \$24 from A.G.Tannenbaum <http://www.agtannenbaum.com>"

* * *

Marvin W4UXJ suggests: "Bob Garcia, Mr. Scopeman esaronel@bellsouth.net He is highly thought of in the world of scopes. His prices are great and he stands behind his scopes 100%. I have known him for 15 years and I think that he is a man of high integrity and morals. He is located in Marietta, GA 18 Miles NW of Atlanta."

Probes

>From Brian, KB9BVN: ..."Ocean State Electronics sell great generic probes for Tek scopes too...less than \$20 if memory serves me correctly....." (\$25! see http://www.oselectronics.com/ose_p12.htm bottom of page, rc)

Scope Info

>From Conrad, NN6CW:

..."There is a guy up in "Tek Country" who refurbishes the Tek 465s. His name is, Stan Griffiths, W7NI. He authored a book on the classic Tek Scopes: "Everything you wanted to know about Tektronix scopes of the 50's & 60's" I believe Stan is still refurbishing Tek scopes. Could be you could contact him and buy one. I talked with him years ago and he seemed like a nice fellow. And there are other retired Tek engineers who have hobby businesses doing the same sort of thing....."

A little "googlin'" yielded this useful link:

Stan, W7NI

<http://www.reprise.com/ash/clients2/home.asp>

And on that site is a useful link to the 453/454 scope

Bill's Tektronix 453 and 454 Info Pages

<http://www.reprise.com/host/scopes/>

Good articles on grounding, probes, what to look for where to buy...etc.

** From Wes, W7ZOI (ex Tek emp.)

"The portables...starting with the 453, were all built for the computer industry and were hauled in and out of various facilities by IBM service folks to fix things as they broke. Many saw a lot of "action." But they were designed to take it."

"Another "sleeper" is the 7600 line. A 7603 is a 3 wide main frame that only has a 100 MHz bandwidth. The 7704 was a 4 wide 200 MHz box. Because the 7600 is a bit slower, it is not a popular, and hence not as expensive. I've seen some wonderful deals on EBay with that series. I have a warm place for that series because I worked on that design team, having done the storage circuits for the 7613 and 7623 as well as the physics

for the CRT in the 7623."

Paul Harden, NA5N

Paul's NA5N's "Oscilloscope Primer", 4 parts, I found it here:

<http://qrp.kd4ab.org/1999/991206/0031.html> (part 1)

<http://qrp.kd4ab.org/1999/991206/0032.html> (part 2)

<http://qrp.kd4ab.org/1999/991206/0033.html> (part 3)

<http://qrp.kd4ab.org/1999/991206/0034.html> (part 4)

* * * * *

Date: Fri, 14 Nov 2003 10:50:26 -0500

From: "n3drk" <n3drk@triad.rr.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [161226] Re: PayPal Notification

Message-ID: <03b201c3aac7\$09717470\$6400a8c0@n3drk>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I got one last night also and noticed there were 12.4 kb in the file.

Thought it may be an executable so deleted it.

john

----- Original Message -----

From: "Tony Martin W4FOA" <w4foa@comcast.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, November 14, 2003 9:59 AM

Subject: Re: PayPal Notification

> Pat,

> I got 3 or 4 of them yesterday...never have gotten them before. I
suspected

> something fishy, so I just deleted the messages.

> Tony

>

>

>

> ----- Original Message -----
> From: "Pat Whelton" <pwhelton@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Friday, November 14, 2003 7:54 AM
> Subject: PayPal Notification
>
>
> > This morning I received one of those "Your PayPal Account is About to
> > Expire" messages and I consider it suspect. My wife tells me there is a
> > site you can forward these messages to for verification. Does anyone
have
> > the email address?
> >
> > Thanks,
> >
> > Pat - KZ5J
> >
>
>

Date: Fri, 14 Nov 2003 08:04:26 -0800 (PST)
From: Tom Severt <n2uhc@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [161227] Re: PayPal Notification
Message-ID: <20031114160426.64122.qmail@web9603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Another "scam" going on is where people try to get your ebay ID & password, then list various items using the most expensive options. My mother & sister fell victim to these idiots who ran up their ebay accounts into hundreds of dollars. Luckily they were able to get things straightened out with ebay & didn't have to pay for it. It doesn't appear the hackers get anything out of it other than making a headache for ebay users.

=====
Tom Severt N2UHC
<http://www.geocities.com/n2uhc>

Do you Yahoo!?
Protect your identity with Yahoo! Mail AddressGuard
<http://antispam.yahoo.com/whatsnewfree>

Date: Fri, 14 Nov 2003 11:08:36 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <pwhelton@earthlink.net>
Subject: [161228] Re: PayPal Notification
Message-ID: <011201c3aac9\$93bf6bd0\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A couple of points about this, and any similar notification....

First and foremost, you should have your mail client set to not view HTML messages. Many of these messages will send notice to the web server that you are a valid email address, ripe for selling to others, as soon as you view the thing, even in the preview pane. If you get an HTML message that you DO want to see, you can simply open the HTML attachment. This also means that you won't waste time downloading a bunch of pictures that you don't care about, either. And unless you are very careful about your browser settings, HTML can include stuff that's dangerous. You can execute a virus or worm without actually opening an attachment.

Now, some simple checks.

Open the message source. In Outlook Express, right-click on the message, choose Properties, select the Details tab, and press Message Source.

Look at the actual email address. You might see something like:

From: "PayPal Customer Service" <kn1243@aol.com>

In the message list, all you would see is "PayPal Customer Service". In fact, the message is from an AOL account (MSN and Yahoo are also real common). Why would Pay Pal be using an AOL account?

If the address looks valid, look at the very last "Received From" header:

Received: from (HELO g3yd6j) [207.212.231.223]
by pcp02426257pcs.kensgt01.pa.comcast.net with ESMTP id 44792792;
Thu, 09 Oct 2003 11:41:59 +0300

Normally, the stuff after HELO *or* the stuff after the by (pcp024.....) should match up with the email address domain. If they don't, then the sender was trying to hide his source ... not something a legitimate sender would do. Here, the sender was using comcast to send his message, again, not likely for a large org like PayPal (although typical for something like arrl.net).

A little farther on, there should be a section of gobbldeygook that starts with

Content-Type: text/html;

Look through that for long strings of numbers or number letter combinations that seem to be random. If these are preceeded by an IMG or HREF tag, then it's purpose is to track you so that the sender can validate that you at least looked at the email. Once he knows that, he can promise his customers that your email address is valid. If the tag is an HREF tag, this isn't a dead giveaway that the sender is illegitimate, but it is a red flag. If it's on an IMG tag, then guaranteed this is a bad guy.

A little harder to spot is text that is written as the same color as the background. Here they want to get by your spam filters, or get you to agreee to something you didn't see. This can be pretty hard to tell, though, unless you actually download and view the images.

Another red flag is if the HTML itself is MIME encoded. The only reason to do this is to prevent you, or your spam filters, from seeing what the HTML is going to do before you execute it. If someone does this, they are a bad guy.

If you have HTML turned off, you will sometimes see something like:

n cixvccttie iarctwmtcsr yak pox c spoaefqxy cckp

or

am watching a lot of my mice from whom I removed
the tails at birth, and I with sufficient energy public

in the preview pane without even looking at the HTML. If you had HTML enabled, you would never have seen this, but the idea here is to have some content that can get by the spam filters. Again, a legitimate sender isn't going to feel the need to do this.

Almost all the spoofs use some trick like this, so if you see something you aren't sure of, these are ways to get a little more data. If your email passes all these tests, it's still no guarantee that it's real, but probably 95% of all the spoofs will fail one of these tests.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Pat Whelton" <pwhelton@earthlink.net>
Subject: PayPal Notification

> This morning I received one of those "Your PayPal Account is About to
> Expire" messages and I consider it suspect.

Date: Fri, 14 Nov 2003 11:47:33 -0500
From: "n3drk" <n3drk@triad.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [161229] swr,watt meter for qrp
Message-ID: <03d401c3aacf\$05c7acb0\$6400a8c0@n3drk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I am looking for a qrp swr, wattmeter for my K2. What are some of the most
accurate that you guys are using?

Thanks
john

Date: Fri, 14 Nov 2003 11:52:42 -0500
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [161230] RE: PayPal Notification
Message-ID: <000201c3aacf\$b84779b0\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

John,

Thanks for all the hints on identifying scam email.

I recently got one that was a pretty good spoof. It was from "Citibank Card Security" and the originating address showed as being from the citicard.com domain. That seemed plausible enough that I continued reading. They said they were updating customer email records due to recent scam activity and wanted me to go to a Web site and enter my card number and PIN to verify my identity. That told me right there that it was a scam, since they'll NEVER ask for a PIN. But the link to the Web page was to citibank.com with a bunch of gibberish (looked a lot like the database-driven URLs you see these days) following it. Again, that part seemed plausible, but buried inside the gibberish was a URL for a domain with a ".ru" suffix. I'm pretty sure it would have redirected me to a non-Citibank site.

Normally I just delete such messages, but since this one was clever enough to get past my first line of defense I thought Citibank should know about it. I forwarded it to their security group.

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> John J. McDonough
> Sent: Friday, November 14, 2003 11:09 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: PayPal Notification
>
>
> A couple of points about this, and any similar notification....
>
> First and foremost, you should have your mail client set to not view HTML
> messages. Many of these messages will send notice to the web server that
> you are a valid email address, ripe for selling to others, as soon as you
> view the thing, even in the preview pane. If you get an HTML message that
> you DO want to see, you can simply open the HTML attachment. This also
> means that you won't waste time downloading a bunch of pictures that you
> don't care about, either. And unless you are very careful about your
> browser settings, HTML can include stuff that's dangerous. You
> can execute
> a virus or worm without actually opening an attachment.
>
> Now, some simple checks.
>
> Open the message source. In Outlook Express, right-click on the message,
> choose Properties, select the Details tab, and press Message Source.

>
> Look at the actual email address. You might see something like:
>
> From: "PayPal Customer Service" <kn1243@aol.com>
>
> In the message list, all you would see is "PayPal Customer Service". In
> fact, the message is from an AOL account (MSN and Yahoo are also real
> common). Why would Pay Pal be using an AOL account?
>
> If the address looks valid, look at the very last "Received From" header:
>
> Received: from (HELO g3yd6j) [207.212.231.223]
> by pcp02426257pcs.kensgt01.pa.comcast.net with ESMTP id 44792792;
> Thu, 09 Oct 2003 11:41:59 +0300
>
> Normally, the stuff after HELO *or* the stuff after the by (pcp024.....)
> should match up with the email address domain. If they don't, then the
> sender was trying to hide his source ... not something a legitimate sender
> would do. Here, the sender was using comcast to send his message, again,
> not likely for a large org like PayPal (although typical for
> something like
> arrl.net).
>
> A little farther on, there should be a section of gobbldeygook that starts
> with
>
> Content-Type: text/html;
>
> Look through that for long strings of numbers or number letter
> combinations
> that seem to be random. If these are preceeded by an IMG or HREF
> tag, then
> it's purpose is to track you so that the sender can validate that you at
> least looked at the email. Once he knows that, he can promise
> his customers
> that your email address is valid. If the tag is an HREF tag, this isn't a
> dead giveaway that the sender is illegitimate, but it is a red flag. If
> it's on an IMG tag, then guaranteed this is a bad guy.
>
> A little harder to spot is text that is written as the same color as the
> background. Here they want to get by your spam filters, or get you to
> agreee to something you didn't see. This can be pretty hard to tell,
> though, unless you actually download and view the images.
>
> Another red flag is if the HTML itself is MIME encoded. The only
> reason to
> do this is to prevent you, or your spam filters, from seeing what the HTML
> is going to do before you execute it. If someone does this, they

> are a bad
> guy.
>
> If you have HTML turned off, you will sometimes see something like:
>
> n cixvccttie iarctwmtcsr yak pox c spoaefqxy cckp
>
> or
>
> am watching a lot of my mice from whom I removed
> the tails at birth, and I with sufficient energy public
>
> in the preview pane without even looking at the HTML. If you had HTML
> enabled, you would never have seen this, but the idea here is to have some
> content that can get by the spam filters. Again, a legitimate
> sender isn't
> going to feel the need to do this.
>
> Almost all the spoofs use some trick like this, so if you see
> something you
> aren't sure of, these are ways to get a little more data. If your email
> passes all these tests, it's still no guarantee that it's real,
> but probably
> 95% of all the spoofs will fail one of these tests.
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>
> ----- Original Message -----
> From: "Pat Whelton" <pwhelton@earthlink.net>
> Subject: PayPal Notification
>
>
> > This morning I received one of those "Your PayPal Account is About to
> > Expire" messages and I consider it suspect.
>

Date: Fri, 14 Nov 2003 12:01:02 -0500
From: "Dean-K2WW" <nr2v@northnet.org>
To: <qrp-l@lehigh.edu>
Subject: [161231] re; NOV QST
Message-ID: <004801c3aad0\$e30e4ab0\$03fea8c0@deanlaptop>
MIME-Version: 1.0
Content-Type: text/plain;

charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sure can't blame 'um for overspending on poor Ed's grocery getter...
;-)
72 Dean-K2www

Ps:
For \$39 a year/\$34 (if you are a senior)
You get ARRL voting rights
Otherwise...

> If that's how it "pretty much has to work", then which ARRL programs
> benefited from QST being taken off the news stand? (now don't just say

> "all", be just as specific as you have requested above)
>
> 73,
> --Alex KR1ST
>

Date: Fri, 14 Nov 2003 12:04:47 -0500
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: w8diz@cinci.rr.com, fpqrp-l@fpqrp.com, qrp-l@Lehigh.EDU
Subject: [161232] Re: [fpqrp] Course study in Space WX
Message-ID: <LAW11-F218YV2btIXwG00007ecf@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

OUCH! That is expensive! I wonder if Paul could recommend a couple of
books- beginning college level type that one could get and read...

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

>From: "w8diz" <w8diz@cinci.rr.com>
>Reply-To: "w8diz" <w8diz@cinci.rr.com>
>To: <fpqrp-l@fpqrp.com>, <qrp-l@Lehigh.EDU>
>Subject: [fpqrp] Course study in Space WX
>Date: Fri, 14 Nov 2003 09:46:15 -0500
>
>Hi Gang,
>
>Found this link about Space WX interesting and thought
>I'd pass it along. Everything you ever wanted to know
>about Space weather and more. Not cheap!
>
><http://www.spacew.com/www/course.html>
>
>Watch out Paul...I'm after your job LOL
>
>72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
>Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
>RIG:multiPIG+ ANT:67 FT Vertical Dipole <http://kitsandparts.com>
>
>
>
>-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

MSN Messenger with backgrounds, emoticons and more.
http://www.msnmessenger-download.com/tracking/cdp_customize

Date: Fri, 14 Nov 2003 11:09:04 -0600
From: "Joe Martin" <km5cw@wt.net>

To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [161233] Re: PayPal Notification
Message-ID: <018f01c3aad2\$0281f030\$3f4dd6d0@JoesHome1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is a fraud, you should forward it to PayPal (spoof@paypal.com). They will get back to you.

73 de KM5CW, Joe
ARCI #11368 FP#-697 FISTS#4217
GRID EM13kf FtWorth,Tx
32:49:31N 97:06:13W

-----| Virus Scanned by Symantec |-----

----- Original Message -----

From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 14, 2003 7:54 AM
Subject: PayPal Notification

> This morning I received one of those "Your PayPal Account is About to
> Expire" messages and I consider it suspect. My wife tells me there is a
> site you can forward these messages to for verification. Does anyone have
> the email address?

>

> Thanks,

>

> Pat - KZ5J

>

>

Date: Fri, 14 Nov 2003 13:04:52 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <WD8CIV@worldnet.att.net>
Subject: [161234] Re: PayPal Notification
Message-ID: <018c01c3aad9\$cd9a6a20\$090044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep, often they use all sorts of tricks to get you to another site. I neglected to mention the bit about burying the real URL, also, a misspelled URL is a popular one - it only takes ten bucks to buy a domain these days, so if you can find a paypal.biz or a pypal.com or whatever, you can send out a lot of spam before PayPal files an infringement suit against you, if they can find you!

Oh, and the originating address can be spoofed by any ten year old. Anything that comes after those routing headers can be modified by the sender.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, November 14, 2003 11:52 AM
Subject: RE: PayPal Notification

> I recently got one that was a pretty good spoof. It was from "Citibank Card Security" and the originating address showed as being from the citicard.com domain. That seemed plausible enough that I continued reading. They said

Date: Fri, 14 Nov 2003 13:09:39 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [161235] Re: re; NOV QST
Message-ID: <3FB51A63.3707DFE0@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Dean-K2WW wrote:

> Ps:
> For \$39 a year/\$34 (if you are a senior)
> You get ARRL voting rights

I already voted on the ARRL, for free!

> Otherwise...

Get a subscription to CQ Magazine? You're right! Has interesting QRP articles, too.

73,

--Alex KR1ST

<http://www.kr1st.com>

Date: Fri, 14 Nov 2003 10:11:57 -0800 (PST)
From: David Toepfer <davetoepfer@yahoo.com>
To: n3drk@triad.rr.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [161236] Re: swr,watt meter for qrp
Message-ID: <20031114181157.51820.qmail@web12803.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- n3drk <n3drk@triad.rr.com> wrote:

> I am looking for a qrp swr, wattmeter for my K2. What are some of the most
> accurate that you guys are using?

These are the best advice I have heard over time:

non-kit:

Radio Shack HF SWR/Power Meter (
<http://www.radioshack.com/product.asp?catalog%5Fname=CTLG&product%5Fid=21-534>)

kit:

OHR WM-2 (<http://www.ohr.com/wattmeter.htm>)

NoGA QRP NoGaWaTT (<http://www.nogaqrp.org/projects/NOGAwatt/kitinfo.html>)

as yet unavailable:

Elecraft has promised one is in the works, so I am watching their products page
(http://elecraft.com/elecraft_products_page.htm), but nothing yet

Date: Fri, 14 Nov 2003 13:20:36 -0500

From: "John H. Shannon" <johnshan@alltel.net>
To: <qrp-l@Lehigh.EDU>
Subject: [161237] Re: PayPal Notification
Message-ID: <000701c3aadcf06c1d840\$467466a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I see a lot of you are worried (rightfully so) about emails and viruses. I use a program called MailWasher that allows me to handle my mail right on the server before I ever download any of it to my computer. I've seen those PayPal messages and just delete them right off the server so whatever they are, they don't bother me at all. MailWasher has a block list, friends list, a filter editor, and much more so that you can do just about anything with your email that you want. It can even delete emails automatically without you ever seeing them if you wish, but I prefer to look at each header myself before letting MailWasher delete the message. As an example of the many things you can do, I've designed a filter to label all of my messages that are from QRP-L so I can deal with them quickly before or after I've done my other emails.

I've got a link to MailWasher plus many other helpful programs for those of us who love to play with our computers on my web site in my Links section - Useful Non-Ham Info page.

~~~~~  
73 - John, K3WWP - 100% CW & QRP  
using simple wire antennas.

<http://home.alltel.net/johnshan/>

My website is now in its eighth year  
of operation and includes the following:

DX QSL Routes \*\* Operating Tips  
QRP Rigs Info \*\* CW Contest Calendar  
Daily Propagation Info \*\* Your CW Stories  
Teens and CW \*\* Monthly polls  
Categorized Quality Links \*\* MUCH MORE

If you love Morse Code, please join the  
FISTS club - <http://www.fists.org>  
I'm proud to be FISTS # 2002

~~~~~  

Date: Fri, 14 Nov 2003 14:02:07 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [161238] Re: PayPal Notification
Message-ID: <009301c3aae1\$cf349880\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I find it hard to believe that places like Citibank wouldn't have a department set up specifically for this that would provide 'fake' account and PIN numbers. (Then, maybe they do...) That would appear real, but when attempted to be used would trigger all kinds of alarms.

Mike

Date: Fri, 14 Nov 2003 19:14:30 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [161239] Philips LPC2104 ARM MCU
Message-ID: <Law15-DAV19x29xDBH800001969@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just got a little development system using the new Philips LPC2104 ARM MCU working:

http://www.geocities.com/leon_heller/lpc2104.html

The LPC210x series chips are probably overkill for most amateur radio applications (32-bit RISC), but they are cheap (about \$10) and quite fast (60 MIPS). They have virtually everything one needs on the chip, ADCs, PWM, I2C, SPI, UARTs, etc.

My little board is designed for software upload via the RS-232 port, using the Philips ISP software. I'll be adding a JTAG interface to the prototyping area for debugging using a Wiggler. With GDB stub code, it could be debugged using GDB via the RS-232 port.

Leon Heller, G1HSM
Email: aqzfl3@dsl.pipex.com
http://www.geocities.com/leon_heller

Date: Fri, 14 Nov 2003 19:11:05 -0000
From: "brian russell" <brian-nsl@freenet.co.uk>
To: <qrp-l@lehigh.edu>
Cc: "brian g0nsl" <brian-nsl@freenet.co.uk>
Subject: [161240] Re: Just a thought on set decorating.
Message-ID: <001f01c3aae3\$a0d15f80\$1f1f2850@briandlatmd1ba>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Mention was made of the number of actors and other celebrities who held amateur licences.

I recall an old timer telling me once how he worked Buddy Rich and Robert Montgomery in post WW2 days, any other" memories "???

72, Brian. G NSL-QRP.

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, November 12, 2003 11:24 PM
Subject: Just a thought on set decorating.

> We all see TV shows and movies where amateur radio gear is used as "set
> decoration". Please remember that the set decorator has to decorate the
> set so that it will be somewhat believable to the audience. The
> audience generally has no real idea of what communications equipment is
> for or really looks like. And further, the number of actors and others
> who are licensed hams is quite small. That they could swap a Heathkit
> for an Eico is a small thing. BTW, I wish my HW-16 looked so good!
>
> 73
>

Date: Fri, 14 Nov 2003 13:28:14 -0600

From: Michael Goins <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [161241] WTB
Message-ID: <054HkNTCo5216S06.1068838094@cmsweb06.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Anyone have a reasonable source for single-hole BNC chassis connectors?
Need some for a number of projects on the bench. Thanks.

mike
k5wmg

Date: Fri, 14 Nov 2003 14:36:00 -0500
From: "w8diz" <w8diz@cinci.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [161242] Re: swr,watt meter for qrp
Message-ID: <006801c3aae6\$89605e20\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is another SWR/POWER meter kit.

<http://partsandkits.com/swr.asp>

Works great for field day night ops :)
Also has two power ranges, 0-0.5 and 0-5
adjustable up to 10 watts.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:67 FT Vertical Dipole <http://kitsandparts.com>

----- Original Message -----
From: "David Toepfer" <davetoepfer@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 14, 2003 1:11 PM
Subject: Re: swr,watt meter for qrp

--- n3drk <n3drk@triad.rr.com> wrote:

> I am looking for a qrp swr, wattmeter for my K2. What are some of the most
> accurate that you guys are using?

These are the best advice I have heard over time:

non-kit:

Radio Shack HF SWR/Power Meter (

<http://www.radioshack.com/product.asp?catalog%5Fname=CTLG&product%5Fid=21-534>)

kit:

OHR WM-2 (<http://www.ohr.com/wattmeter.htm>)

NoGA QRP NoGaWaTT (<http://www.nogaqrp.org/projects/NOGAwatt/kitinfo.html>)

as yet unavailable:

Elecraft has promised one is in the works, so I am watching their products page
(http://elecraft.com/elecraft_products_page.htm), but nothing yet

Date: Fri, 14 Nov 2003 13:28:35 -0600

From: "Jerry Ford" <benlightnd13@mchsi.com>

To: "qrp-l" <qrp-l@lehigh.edu>,

"Elecraft@mailman.qth.net" <elecraft@mailman.qth.net>,

Subject: [161243] On the wild porker hunt again

Message-ID: <03d401c3aae5\$7fe8c5e0\$4a78da0c@mchsi.com>

OK folks, The bands are just killen me here in the evenings. Seems
things are running shorter this afternoon so MAYBE I can hear
something.

LL has jumped out in the lead again. He just loves making me work.
So, are there any Flying Pig club members out there looken for
something to do to burn some time.

I'm going to jump up to 14.045 +/- at 2000z. Stop by and say
howdy. Anyone else, piggie member or not, run buy freq and
lets chew the fat.

72 es oo Jerry NOJRN
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. MP + #8

<http://home.mchsi.com/~n0jrn>

Date: Fri, 14 Nov 2003 15:23:13 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [161244] Toaster Oven
Message-ID: <3.0.6.32.20031114152313.007a2ba0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A while back Chuck Adams suggested using a toaster oven to bake enamel paint onto cabinets. Spending \$30.00 or so for a new oven you can't use for much else once you bake paint in it seemed a bit much to me, seeing how often I actually paint something.

However, I found a local church sponsored second hand store had a stack of these for \$5.00 or less. At that price, worth it to get one to bake paint in.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 14 Nov 2003 15:26:40 -0500
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [161245] RE: Philips LPC2104 ARM MCU
Message-ID: <000401c3aaed\$9c3a66b0\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I've just got a little development system using the new Philips
> LPC2104 ARM
> MCU working:
>
> http://www.geocities.com/leon_heller/lpc2104.html
>
> The LPC210x series chips are probably overkill for most amateur radio

> applications (32-bit RISC), but they are cheap (about \$10) and quite fast
> (60 MIPS). They have virtually everything one needs on the chip,
> ADCs, PWM,
> I2C, SPI, UARTs, etc.

Leon,

There's no such thing as "overkill" for an amateur radio application - just too expensive. At \$10, it's not too expensive.

I wonder how it'd do in DSP applications. At work we're using a Hitachi SH-1 for DSP (not at audio rates, though) and it's nowhere near 60 MIPS.

Dave

Date: Fri, 14 Nov 2003 15:54:26 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [161246] Ft. Wayne - Last reminder
Message-ID: <3FB4FAB2.28191.1AB35191@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I am headed out the door for Ft. Wayne. Hope to see a lot of you at the QRP forum tomorrow at 1:30. If you can't make the forum - at least stop by the Kanga US booth and say hi. Look for the forest of DK9SQ masts!

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Fri, 14 Nov 2003 21:10:41 -0000
From: "Joe Martin" <km5cw@wt.net>
To: "QRP" <qrp-l@Lehigh.EDU>
Subject: [161247] Re: On the wild porker hunt again
Message-ID: <024e01c3aaf3\$c353f4e0\$3f4dd6d0@JoesHome1>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

qrm killing me will try agn in 2 hrs.
KM5CW
QRPARCI #11368 FP#-697 FISTS#4217
GRID EM13kf FtWorth,Tx
32:49:31N 97:06:13W

-----| Virus Scanned by Symantec |-----
----- Original Message -----
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 14, 2003 7:28 PM
Subject: On the wild porker hunt again

> OK folks, The bands are just killen me here in the evenings. Seems
> things are running shorter this afternoon so MAYBE I can hear
> something.
>
> LL has jumped out in the lead again. He just loves making me work.
> So, are there any Flying Pig club members out there looken for
> something to do to burn some time.
>
> I'm going to jump up to 14.045 +/- at 2000z. Stop by and say
> howdy. Anyone else, piggie member or not, run buy freq and
> lets chew the fat.
>
> 72 es oo Jerry NOJRN
> FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,
> Springfield, Mo. MP + #8
> <http://home.mchsi.com/~n0jrn>
>
>
>

Date: Fri, 14 Nov 2003 12:51:39 -0900
From: Jim Larsen <JimLarsen2002@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>,
pQRP - Pacific NW QRP List <pQRP@yahooogroups.com>,
Subject: [161248] Great Alaska Ptarmigan Hunt - This Sunday
Message-ID: <3FB54E6B.7080608@alaska.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 8bit

The Great Alaska Ptarmigan (GAP) Hunt

Greetings from Alaska. Here are the Great Alaska Ptarmigan (GAP) and their assigned frequencies. Let's have fun with this hunt and thanks for trying to work Alaska. This is an absolute "First" for Alaska QRPers. Never in history have so many Alaska hams operated QRP at the same time.

Notes:

Share this email with other mail lists.

GAP hunters should call "Up 1 KHz".

If 20 meters is dead dead, then check for GAPs on 15 meter frequencies.

We have one Great Alaska Ptarmigan who has volunteered to be there for the slower operators. Check for KL0XK on 15 and 40 meters although if those bands are both dead for him, he has an assigned 20 meter spot.

Operate from 0000z-0200z 17 November (3-5PM AST Sunday).

GAPs will call "CQ GAP", etc.

Exchange is RST/SPC/PwrOut e.g., 559 AK 5w (Same as Spartan Sprint)

Here are the Great Alaska Ptarmigan:

KL7R	Mike	Juneau	
AL70K	John	Anchorage	S
AL7FS	Jim	Anchorage	S
KL7IKV	Lynn	Anchorage	S
KL7CC	Jim	Anchorage	NE
KL7GN	Gordon	Anchorage	Mid
WL7CDC	Doug	Anchorage	Mid
KL7PB	Rich	Sterling	
KL WN	John	Kodiak	
AL7N	Ed	Fairbanks	
KY7J	Ken	Emmonak	- way out west on the Bearing Sea
KL7Z	Randy	Anchorage	
KL0XK	Don	Elmendorf AFB	40/15 meters for slower cw ops

=====

7.108 KL0XK Slow code. If 15/40 dead, then 14.029

14.026 AL70K 21.026

029 KL0XK but only if he is getting nothing on 15/40 slow code.

032 KL7GN 032

035		
038	AL7N	038
041	KY7J	041
044	AL7FS	044
047	KL WN	047
050	KL7Z	050
053	KL7R	053
056	KL7CC	056
059	KL7PB	059
061	WL7CDC	061
064	KL7IKV	064

--- KL0XK 21.108 Slow code. If 15/40 dead, then 14.029

There will be prizes and maybe even certificates for all entries (with SASE).
Let's all have fun and work the Great Alaska Ptarmigan.

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs>

=====

Here is a primer to get you up to speed on the Great Alaska Ptarmigan (GAP).

=====

www.state.ak.us/adfg/notebook/bird/ptarmiga.htm

The Great Alaska Ptarmigan (GAP)

Ptarmigan, close relatives of forest and prairie grouse, live in alpine and arctic tundras throughout the northern hemisphere.

The birds are quite sociable in winter (get on the air more) and usually feed and roost in the snow close together. (In the snow...that fits)

Ptarmigan are notorious for their here-today, gone-tomorrow populations, pulsing between superabundance and virtual absence in just a few years. The causes of the rapid population changes remain a mystery. Many people think that ptarmigan numbers fluctuate rhythmically, with peaks once every 9 or 10 years. (Sounds like Alaska propagation)

In early spring, male ptarmigan become intolerant of other males and establish territories that they defend vigorously with aerial chases and a variety of gargling, croaking, and screaming noises. (Noises which we make after another

month of lousy propagation)

Hunting: Ptarmigan hunting is fun. You never know what to expect from one trip to the next. (Yup, that is Alaska QRP) On opening day you tramp through colorful thickets of willow and dwarf birch, your dog nosing coveys of brown birds out of the brush while you mop your brow and wish you hadn't put on a sweater. Late in September, after facing a strong, cold wind for several fruitless hours (two hours to be exact), you top out on a rocky ridge and suddenly find yourself surrounded by several hundred stretch-necked, pinto-patterned ptarmigan (It could happen). You hang up your shotgun for five months, only to be tolled into the hills again by the bright blue days of March. Warmly clad in parka and mukluks, you snowshoe across narrow alpine valleys following meandering trails of three-pronged ptarmigan tracks across the brilliant snow (We tend to come and go).

Ptarmigan hunting can be a serious business (but of course), especially if you live in Alaska's vast hinterland and caribou have been scarce. Then is the time to go after ptarmigan in earnest, using all the tricks at your command (Don't all QRPers use all their tricks?). Snares are very effective when used by those who know the birds well (But of course experience helps). A favorite method is to build a thin fence of close-set willow branches, leaving small openings where the snares are set. Another technique takes advantage of the fact that ptarmigan drag their feet in soft snow (listening for late callers in the pileup). A series of snare loops are tied into a long line, and the loops are placed flat on the ground around a favorite thicket of willows. Birds step into the loops, drag their feet forward--and are caught.

=====

So now you have more information than you ever wanted to know. :-)

73, Jim, AL7FS

Date: Fri, 14 Nov 2003 14:18:07 -0800
From: "Jerry Bartachek" <KD0CA@praisescrIBE.com>
To: "QRP-L Post Msg" <QRP-L@1EHIGH.edu>
Subject: [161249] OHR 500 IF Filter
Message-ID: <200311141418.AA28704894@praisescrIBE.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I am finding my OHR 500 that I bought used has a really wide receive response with the IF filter and the low pass audio filter in the circuit. (It's wider without the LP filter!) The manual says it is 400 Hz wide at -6dB. I can hear up to 3 simultaneous CW QSO's when the bands are busy.

Has anyone successfully modified the 4 pole Xtal IF filter to narrow the skirts?
I can clearly hear a CW note starting at about 300 Hz and tuning the VFO, I can still hear it plainly at about 1500 Hz. Sure wish it was narrower. I am afraid I am spoiled by using my Ten-Tec Paragon.

Is there anything I can do about it, or should I quit whining? I'm considering an add-on audio bandpass filter from Vectronics.

73 and Thanks,
Jerry L. Bartachek KD0CA
Washington, IA

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Date: Fri, 14 Nov 2003 17:24:44 -0500
From: "Earl Andrews" <ve3ab@mail.mondenet.com>
To: qrp-l@lehigh.edu
Subject: [161250] W8JK files (eznec analysis) now on my yahoo group website es my amp too.
Message-ID: <200311141724440540.001391D6@mondenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

I have posted some new stuff on my yahoo group (Earlshamradio)..go to= www.yahogroups.com and look me up. I have about 12 members..but so far..Im doing all the posting. I also have some components (standard components..how standard is standard?) discussions posted. See the files and photos area.
I also have a picture of my MOSFET QRP AMP..as per QST and the latest ARRL= Handbooks.
The coils are wound including the torroids. Im not happy with the "look" of= the project. It is too ugly for even ugly construction. It is manhattan= mounting of pads. Im going to go over it and do some enhancements in the= look of this thing!..Ill post the results.
THIS WEB SITE(GROUP) is really growing each day. In about a month or so..it= will be chaulk full of stuff
(the best I can come up with). -- 25 years of studying QSTs, ARRL handbooks= and all the other books and magazine articles I have absorbed and filed= away in my 8 drawers of filling cabinet files.
73 Earl VE3AB

Date: Fri, 14 Nov 2003 17:27:30 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Jerry Bartachek <KD0CA@praisescrbe.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [161251] Re: OHR 500 IF Filter
Message-ID: <Pine.LNX.4.21.0311141721410.30194-100000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 14 Nov 2003, Jerry Bartachek wrote:

> I am finding my OHR 500 that I bought used has a really wide receive

Jerry,

I've found that the variable filter on my OHR Explorer II goes from too wide to too narrow, making "just right" about mid dial. I don't have schematics for the 500 here, so I'm not sure how it's setup, but it shouldn't be too difficult to splice the EXP II filter into it. It's four xtals, a couple of resistors and varicaps. 'Course you're gonna have to poke a new hole in the case for the bandwidth pot. :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 14 Nov 2003 16:42:41 -0500
From: Ed Lawson <k1vp@grizzly.com>
To: <KD0CA@praisescrbe.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [161252] Re: OHR 500 IF Filter
Message-ID: <20031114164241.65307f6f.k1vp@grizzly.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Fri, 14 Nov 2003 14:18:07 -0800
"Jerry Bartachek" <KD0CA@praisescrbe.com> wrote:

> I am finding my OHR 500 that I bought used has a really wide receive
> response with the IF filter and the low pass audio filter in the
> circuit. (It's wider without the LP filter!)

When I get home I can check mine, but something does not sound
right...or rather your description makes me think something is wrong
with the rig. The LP filter just cuts white noise more or less and the
IF filter is rather sharp on mine. Still, I would not call it super
sharp by any means and not sharp enough for contests. Still, easy to
tune past signals. I would check the wiring and components for starters.

Ed Lawson
K1VP

Date: Fri, 14 Nov 2003 17:20:40 -0500
From: Lee Mairs <lmairs@direcway.com>
To: davetoepfer@yahoo.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [161253] Re: swr,watt meter for qrp
Message-ID: <02ac01c3aafd\$8ccd2bd0\$3b6d020a@boomer>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Steve Weber had a nice digital kit a year or so back. You might find one
that somebody has spare.

73 de Lee
KM4YY/8

----- Original Message -----

From: "David Toepfer" <davetoepfer@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, November 14, 2003 1:11 PM
Subject: Re: swr,watt meter for qrp

> --- n3drk <n3drk@triad.rr.com> wrote:
> > I am looking for a qrp swr, wattmeter for my K2. What are some of the
most
> > accurate that you guys are using?
>
> These are the best advice I have heard over time:
>
> non-kit:
>
> Radio Shack HF SWR/Power Meter (

>
> <http://www.radioshack.com/product.asp?catalog%5Fname=CTLG&product%5Fid=21-534>)
>
> kit:
>
> OHR WM-2 (<http://www.ohr.com/wattmeter.htm>)
>
> NoGA QRP NoGaWaTT (<http://www.nogaqrp.org/projects/NOGAwatt/kitinfo.html>)
>
> as yet unavailable:
>
> Elecraft has promised one is in the works, so I am watching their products
page
> (http://elecraft.com/elecraft_products_page.htm), but nothing yet
>
>

Date: Fri, 14 Nov 2003 16:45:52 -0600
From: George Fremin III <geoiiii@kkn.net>
To: qrp-l@lehigh.edu
Subject: [161254] Searchable QRP-L archives was Re: O'scope info
Message-ID: <20031114224552.GA25135@kkn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

> Paul Harden, NA5N
> -----
>
> Paul's NA5N's "Oscilloscope Primer", 4 parts, I found it here:
>
> <http://qrp.kd4ab.org/1999/991206/0031.html> (part 1)
> <http://qrp.kd4ab.org/1999/991206/0032.html> (part 2)
> <http://qrp.kd4ab.org/1999/991206/0033.html> (part 3)
> <http://qrp.kd4ab.org/1999/991206/0034.html> (part 4)

I did not know these QRP-L archives exisited. But I see
the search does not seem to work. A few months ago I was
looking for some searchable QRP-L archives and since
they did not seem to exist I created them from all of the
old archived list messages.

You can find them here:

<http://www.kkn.net/archives/html/QRP-L/>

This archive is updated every hour.

The search seems to work well and it quite fast.

The four NA5N Oscilloscope posts are here:

<http://www.kkn.net/archives/html/QRP-L/1999-12/msg00370.html>

<http://www.kkn.net/archives/html/QRP-L/1999-12/msg00371.html>

<http://www.kkn.net/archives/html/QRP-L/1999-12/msg00372.html>

<http://www.kkn.net/archives/html/QRP-L/1999-12/msg00373.html>

--

George Fremin III - K5TR

geoiii@kkn.net

<http://www.kkn.net/~k5tr>

Date: Fri, 14 Nov 2003 17:56:48 -0500

From: "Earl Andrews" <ve3ab@mail.mondenet.com>

To: qrp-l@lehigh.edu

Subject: [161255] how to add 160 mtrs to G5RV or 88 ft balanced antenna(or dipole)

Message-ID: <200311141756480520.0030EE7E@mondenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="ISO-8859-1"

Content-Transfer-Encoding: quoted-printable

I think a good way to do this..and keep the space requirements to a reasonable size ..and not upset the antenna efficiency on the lower bands..would be to add a large (choke= inductor) at each end of the antenna ..say..120 uh ..which is what the alpha delta half sloper uses in its 1/4= wave half sloper.

120 uh is big enough to isolate 40 mtrs and up. On 160 ..it would be a big= loading coil. An end piece after the coil of say 20 ft (would have to be= determined experimentally and depends on the coil size).

I have the half sloper from alpha delta. (It works pretty good on 160 by= the way) even on a short tower.

I may post a file about this on my EarlsHamradio (www.yahogroups.com). The= half sloper(with coil) has

a pretty broad swr curve. It may be a (bit lossy)..but when i had it up=

here..I made a contact with my QRPplus rig (5 watt) and the fellow on the= other end...said I must have a pretty good antenna. He was impressed with= my sig.

73 Earl Ve3ab

End of QRP-L Digest 3104
